

Notice of Allowability

Application No.

09/599,148

Examiner

Raymond S. Dean

Applicant(s)

LINSKY ET AL.

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to November 10, 2005.
2. ☒ The allowed claim(s) is/are 1 - 22.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>0804,1004</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney David Posz (Reg. No. 37,701) on January 6, 2006.

Please insert "for a communication satellite" in between "frame signal" and the comma in the preamble of Claim 10. The amended claim should read- "A method for processing a downlink beam frame signal for a communication satellite, the method comprising".

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

Regarding Claims 1, 10, and 18, Black teaches a downlink beam frame signal processing system for a communication satellite, the processing system comprising: a packet switch routing self addressed uplink data to a memory, the memory comprising at least a first and a second downlink beam hop location storage (Figures 8a, 9, 10, 11, Column 20 lines 40 – 59, Column 22 lines 48 – 67, Column 23 lines 1 – 21, Column 23 lines 37 – 67, Column 24 lines 1 – 18); a power amplifier for amplifying a waveform based in part on the uplink data for transmission (Column 21 lines 12 – 37, it is well

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established that such satellites comprise amplifiers for retransmission on the downlink thus Black inherently teaches a power amplifier for amplifying a waveform based in part on the uplink data for transmission) and a waveform generator coupled to the packet switch, the waveform generator comprising a modulator for producing a waveform to be transmitted (Column 21 lines 23 – 29).

Jou et al. (US 6,496,706), hereafter Jou, teaches a power gating circuit including a power gate input responsive to a power gating signal to remove RF power from at least a portion of the waveform, thereby reducing DC power consumption (Column 6 lines 42 – 52, lines 60 – 67). **Jou, however, teaches power gating in a base station or mobile station in a terrestrial radio network. One of ordinary skill in the art would not look to Jou to modify the satellite system of Black because the power gating system is a part of a terrestrial radio network and not a satellite network. There is no motivation to combine the Black with Jou as Jou is related to a terrestrial radio network and not a satellite network.** Claim 2 depends on Claim 1, Claims 3 – 6, 8, and 9 depend on Claim 2, Claim 7 depends on Claim 6, Claims 11 – 14, 16, and 17 depends on Claim 10, Claim 15 depends on Claim 14, Claim 19 depends on Claim 18, Claims 20 – 21 depend on Claim 19, and Claim 22 depends on Claim 21 therefore examiner gives same reason as set forth above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond S. Dean whose telephone number is 571-272-7877. The examiner can normally be reached on 6:00-2:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay A. Maung can be reached on 571-272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Raymond S. Dean
January 9, 2006

EDAN ORGAD
PATENT EXAMINER/TELECOMM.

1/9/06